



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141557

Mode: Highway

Status: Submitted

I-95

From/Cross Street: SR 1709 (Hodges Chapel Road)

Specific Improvement Type: 8 - Improve Interchange

To:

Project Category: Statewide Mobility

Length: 2

TIP#: I-5133

Fully Funded in Draft STIP? No

Cost to NCDOT: \$7,290,000

Description:

Exit 77 Improve configuration and lengthen spans for future widening.

Division(s): Division 6

County(s): HARNETT

MPOS(s)/RPO(s): Mid-Carolina RPO

Project Location



Statewide Mobility Total Score: 37.61

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|---------------------------------------|
| Multimodal + [Freight & Military] (20%) 49.78 [Travel Time] Benefit/Cost (30%) 1.27 Congestion (V/C) (30%) 68.41 Safety (10%) 66.70 Economic Competitiveness (10%) 0.76 | N/A | N/A |
| Totals: Weight: 100% Weighted Score: 37.61 | | |

Regional Impact Total Score: 58.28

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|---------------------------------------|
| Accessibility / Connectivity (10%) 41.88 Congestion (V/C) (25%) 68.41 Safety (10%) 66.70 [Travel Time] Benefit/Cost (25%) 1.27 | Percent: 15% Points: 100 | Percent: 15% Points: 100 |
| Totals: Weight: 70% Weighted Score: 28.28 | | |

Division Needs Total Score: 45.61

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|---------------------------------------|
| Congestion (V/C) (20%) 68.41 Safety (10%) 66.70 [Travel Time] Benefit/Cost (20%) 1.27 | Percent: 25% Points: 0 | Percent: 25% Points: 100 |
| Totals: Weight: 50% Weighted Score: 20.61 | | |

Project Data ***Existing Conditions**

| | |
|---|------------|
| Existing Cross-Section: | |
| Speed Limit: | 65 |
| Length (miles): | 2 |
| Facility Type: | Freeway |
| Access Control: | Full |
| Functional Classification: | Interstate |
| Terrain Type: | Level |
| Lane Width: | 12 |
| Paved Shoulder Width: | 10 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 62823.29 |
| Capacity: | 87097.24 |
| Volume/Capacity Ratio: | 0.72 |
| % Autos: | 84% |
| % Trucks: | 16% |
| Truck Volume: | 9955.56 |
| Crash Density: | 0 |
| Crash Severity: | 0 |
| Critical Crash Rate: | 0 |
| Crash Frequency: | 66.7 |
| Severity Index: | 66.7 |
| County Tier Designation: | 2 |
| Non-Interstate STRAHNET Route? | No |
| Average Commuting Time: | 16 |
| Existing Median Type (for Cost Estimation): | Divided |
| Pavement Condition Rating: | 92 |
| Actual Congested Speed: | 32.47 |
| Travel Time Index: | 1.69 |

Project Benefits

| | |
|--|------------|
| Project Cross-Section: | |
| Speed Limit: | 65 |
| Length (miles): | 2 |
| Facility Type: | Freeway |
| Access Control: | None |
| Functional Classification: | Interstate |
| Terrain Type: | Level |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 10 |
| Travel Time Savings for 30 Years (Total): | 396000 |
| Travel Time Savings for 30 Years (Autos): | 333246.18 |
| Travel Time Savings for 30 Years (Trucks): | 62753.82 |
| Long-Term Employment: | 6.52 |
| % Change in Economy: | 8.65E-06 |
| Provides Direct Connection to Transportation Terminal? | No |
| Does project upgrade how the roadway functions? | No |
| In CTP or LRTP? | No |
| CTP/LRTP Name: | |
| CTP/LRTP Completion Year: | |
| Submitted by: | Division 6 |

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

| Division | Percent | Regional Impact | Division Needs |
|------------------------------|---------|-----------------|----------------|
| Division 6 | 100% | 100 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 100 | 0 |

MPO/RPO

| MPO/RPO | Percent | Regional Impact | Division Needs |
|-----------------------------|---------|-----------------|----------------|
| Mid-Carolina RPO | 100% | 100 | 100 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL MPO/RPO Points | | 100 | 100 |

Project Cost and Source

| | | |
|------------------------|--------------------|----------------------|
| Construction Cost: | \$6,750,000 | Cost Estimation Tool |
| Right-of-Way Cost: | \$540,000 | Cost Estimation Tool |
| Utilities Cost: | \$0 | Cost Estimation Tool |
| Total Project Cost: | \$7,290,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$7,290,000 | |